

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/002487

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl.⁷ G02B5/02, 5/32, G02F1/1335

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl.⁷ G02B5/02, 5/32, G02F1/1335

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005
Kokai Jitsuyo Shinan Koho 1971-2005 Toroku Jitsuyo Shinan Koho 1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	JP 2002-98831 A (Nitto Denko Corp.), 05 April, 2002 (05.04.02), Full text (Family: none)	1, 3, 7 2, 4, 5, 6, 8
X Y	JP 2003-337209 A (Hitachi Kasei Kabushiki Kaisha), 28 November, 2003 (28.11.03), Full text; all drawings (Family: none)	1, 4, 7 2, 3, 5, 6, 8
Y	JP 4-91905 A (Asahi Chemical Industry Co., Ltd.), 25 March, 1992 (25.03.92), Full text; all drawings (Family: none)	1-8

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search
02 May, 2005 (02.05.05)

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24 May, 2005 (24.05.05)

Name and mailing address of the ISA/
Japanese Patent Office

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	JP 11-199798 A (Kabushiki Kaisha Nikko Kagaku Kenkyusho), 27 July, 1999 (27.07.99), Full text; all drawings (Family: none)	1, 2, 4, 5 3, 6-8
Y	JP 2000-338312 A (Toppan Printing Co., Ltd.), 08 December, 2000 (08.12.00), Full text; all drawings (Family: none)	1-8
Y	JP 2002-124113 A (Hayashi Telempu Co., Ltd.), 26 April, 2002 (26.04.02), Full text; all drawings (Family: none)	1-8
Y	JP 2002-250917 A (Dainippon Printing Co., Ltd.), 06 September, 2002 (06.09.02), Full text; all drawings (Family: none)	1-8
Y	JP 53-42726 A (Canon Inc.), 18 April, 1978 (18.04.78), Full text; all drawings (Family: none)	1-8
P, X	JP 2005-10231 A (Dainippon Printing Co., Ltd.), 13 January, 2005 (13.01.05), Full text; all drawings (Family: none)	1, 3, 4